

**INTERNATIONAL SEARCH REPORT**

International application No.

PCT/CN03/00775

**A. CLASSIFICATION OF SUBJECT MATTER**

IPC<sup>7</sup>: G11B 33/00 ; G06F 1/16

According to International Patent Classification (IPC) or to both national classification and IPC

**B. FIELDS SEARCHED**

Minimum documentation searched (classification system followed by classification symbols)

IPC<sup>7</sup>: G11B 33/00+; G06F 1/00+; E05D

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

CNPAT, EPDOC, WPI, PAJ

**C. DOCUMENTS CONSIDERED TO BE RELEVANT**

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X,E	CN,A,1452040 (SAMSUNG ELECTRONICS CO, LTD.) 29.Oct.2003(29.10.03) -----the whole document and all the figures-----	1
X,E	CN,Y,2578935 (SILITEK CORP) 8.Oct.2003(8.10.03) -----the whole document and all the figures-----	1
A	US,B2,6553625 (Chung-Nan Hsteh (TW)) 29.Apr.2003(29.04.03) -----the whole document and all the figures-----	1-10
A	CN,Y,2548192 (New Rixing Co,Ltd.) 30.Apr.2003(30.04.03) -----the whole document and all the figures-----	1-10

Further documents are listed in the continuation of Box C.  See patent family annex.

* Special categories of cited documents:	"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
"A" document defining the general state of the art which is not considered to be of particular relevance	"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
"E" earlier application or patent but published on or after the international filing date	"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art
"L" document which may throw doubts on priority claim (S) or which is cited to establish the publication date of another citation or other special reason (as specified)	"&" document member of the same patent family
"O" document referring to an oral disclosure, use, exhibition or other means	
"P" document published prior to the international filing date but later than the priority date claimed	

Date of the actual completion of the international search 25.Dec.2003(25.12.03)	Date of mailing of the international search report 22 · JAN 2004 (22 · 01 · 2004)
Name and mailing address of the ISA/CN 6 Xitucheng Rd., Jimen Bridge, Haidian District, 100088 Beijing, China Facsimile No. 86-10-62019451	Authorized officer Wu,Xinghua Telephone No. 86-10-62084660

**INTERNATIONAL SEARCH REPORT**

International application No.

PCT/CN03/00775

**C (Continuation). DOCUMENTS CONSIDERED TO BE RELEVANT**

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	US,B15794687 (Dell Products,L.P) 28.May.2002(28.05.02) -----the whole document and all the figures-----	1-10
A	CN,Y,2403050 (SHENJI SCI & TECHNOLOGY CO LTD ) 25.Oct.2000(25.10.00) -----the whole document and all the figures-----	9,10
A	US,A,5791171 (Qualtec Data Products,Inc) 11.Aug.98(11.8.98) -----the whole document and all the figures-----	1,2
A	CN,A,1278887 (ERICSSON INC) 3.Jan.2001(3.1.01)	1

**INTERNATIONAL SEARCH REPORT**  
Information on patent family members

International application No. PCT/CN03/00775
---

CN,A,1452040	29.Oct.2003	NONE	
CN,Y,2578935	8.Oct.2003	NONE	
US,B2,6553625	29,Apr.2003	US,A1,2003056327	27.Mar.2003
CN,Y,2548192	30,Apr.2002	NONE	
US,A,5791171	11.Aug.1998	WO,A1,9835119 EP,A1,0897445	13.Aug.1998 24.Feb.1999
CN,Y,2403050	25,Oct.2000	NONE	
CN,A,1278887	3,Jan,2001	ES,A1,2189614 WO,A1,9913190 AU,A,9376198 GB,A,2347459 BR,A,9811447 US,B1,6195839 US,A1,20010323375 GB,B,2347459	01.Jul.2003 18.Mar.1999 29.Mar.1999 6.Sep.2000 22.Aug.2000 6.Mar,2001 25.Oct.2001 05.Dec.2001

## 国际检索报告

国际申请号

PCT/CN03/00775

**A. 主题的分类**IPC<sup>7</sup>: G11B 33/00; G06F 1/16

按照国际专利分类表(IPC)或者同时按照国家分类和 IPC 两种分类

**B. 检索领域**

检索的最低限度文献(标明分类体系和分类号)

IPC<sup>7</sup>: G11B 33/00+; G06F 1/00+; E05D

包含在检索领域中的除最低限度文献以外的检索文献

在国际检索时查阅的电子数据库(数据库的名称和, 如果实际可行的, 使用的检索词)

CNPAT, EPODOC, WPI, PAJ

**C. 相关文件**

类 型*	引用文件, 必要时, 指明相关段落	相关的权利要求编号
X,E	CN,A, 1452040 (三星电子株式会社) 29.10月.2003 (29.10.03)-----全文及附图-----	1
X,E	CN,Y,2578935 (旭丽股份有限公司) 8.10月.2003 (8.10.03) -----全文及附图-----	1
A	US,B2,6553625 (Chung-Nan Hsteh (TW)) 29.4月.2003 (29.04.03) -----全文及附图-----	1-10
A	CN,Y,2548192 (新日兴股份有限公司) 30.4月.2003 (30.04.03) -----全文及附图-----	1-10

 其余文件在 C 栏的续页中列出。 见同族专利附件。

## \* 引用文件的专用类型:

“A” 明确叙述了被认为不是特别相关的一般现有技术的文件

“E” 在国际申请日的当天或之后公布的在先的申请或专利

“L” 可能引起对优先权要求的怀疑的文件, 为确定另一篇引用文件的公布日而引用的或者因其他特殊理由而引用的文件

“O” 涉及口头公开、使用、展览或其他方式公开的文件

“P” 公布日先于国际申请日但迟于所要求的优先权日的文件

“T” 在申请日或优先权日之后公布的在后文件, 它与申请不相抵触, 但是引用它是为了理解构成发明基础的理论或原理

“X” 特别相关的文件, 仅仅考虑该文件, 权利要求所记载的发明就不能认为是新颖的或不能认为是有创造性

“Y” 特别相关的文件, 当该文件与另一篇或者多篇该类文件结合并且这种结合对于本领域技术人员为显而易见时, 权利要求记载的发明不具有创造性

“&amp;” 同族专利成员的文件

## 国际检索实际完成的日期

25.12月.2003 (25.12.03)

## 国际检索报告邮寄日期

22·1月2004 (22·01·2004)

## 国际检索单位名称和邮寄地址

ISA/CN  
中国北京市海淀区西土城路 6 号(100088)

传真号: 86-10-62019451

## 受权官员

吴兴华

电话号码: 86-10-62084660

## 国际检索报告

国际申请号

PCT/CN03/00775

## C(续). 相关文件

类 型*	引用文件, 必要时, 指明相关段落	相关的权利要求编号
A	US,B1,6396687 (戴尔产业有限公司) 28.5 月.2002 (28.05.02) -----全文及附图-----	1-10
A	CN,Y,2403050 (神基科技股份有限公司) 25.10 月.2000 (25.10.00) -----全文及附图-----	9,10
A	US,A,5791171 (Qualtec Data Products,Inc) 11.8 月.1998 (11.08.98) -----全文及附图-----	1,2
A	CN,A,1278887 (艾利森公司) 3.1 月.2001 (3.1.01) -----全文及附图-----	1

**国际检索报告**  
关于同族专利成员的情报

国际申请号  
PCT/CN03/00775

检索报告中引用的专利文件	公布日期	同族专利成员	公布日期
CN,A, 1452040	29.10 月.2003	无	
CN,Y,2578935	8.10 月.2003	无	
US,B2,6553625	29.4 月.2003	US,A1,2003056327	27.03.2003
CN,Y,2548192	30.4 月.2003	无	
US,B1,6396687	28.5 月.2002	无	
US,A,5791171	11.8 月.1998	WO,A1,9835119 EP,A1,0897445	13.8 月.1998 24.2 月.1999
CN,Y,2403050	25.10 月.2000	无	
CN,A,1278887	3.1 月.2001	ES,A1,2189614 WO,A1,9913190 AU,A,9376198 GB,A,2347459 BR,A,9811447 US,B1,6195839 US,A1,2001032375 GB,B,2347459	01.7 月.2003 18.3 月.1999 29.3 月.1999 6.9 月.2000 22.08 月.2000 6.3 月.2001 25.10 月.2001 05.12 月.2001

**第VIII(i)栏 声明：发明人身份**

声明必须与规程 211 条的标准语句一致；参见对于 VIII、VIII(i) 到(v) (概述) 的说明和专门对于 VIII(i) 的说明。如果不使用本栏，则请求书中不应包括此页。

关于发明人身份的声明(细则 4.17(i) 和 51 之二.1(a)(i))：

**关于发明人身份的声明**

**关于本国际申请：**

王少成住在中国是本国际申请保护的主题的发明人；  
黄明彪住在中国是本国际申请保护的主题的发明人；  
赖建榕住在中国是本国际申请保护的主题的发明人；  
温智海住在中国是本国际申请保护的主题的发明人；  
曾灯海住在中国是本国际申请保护的主题的发明人；

本声明是对所有指定国的。

本声明下转声明续页中“续第 VIII (i) 栏”。